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)	For receiving Office use only	
)-1	International Application No.	PCT/CA 03 / 00077
-2	International Filing Date	27 JANUARY 2003 27.01.03
-3	Name of receiving Office and "PCT International Application"	ROICA
	Form - PCT/RO/101 PCT Request	<u></u>
-4		PCT-EASY Version 2.92
)-4-1	Prepared using	(updated 01.01.2003)
)-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Canadian Patent Office (RO/CA)
0-7	Applicant's or agent's file reference	42472-0011
i	Title of Invention	USE OF PHOSPHODIESTERASE ANTAGONISTS TO TREAT INSULIN RESISTANCE
<u>i</u> 1	Applicant	
11-1	This person is:	applicant and inventor
11-2	Applicant for	all designated States
11-4	Name (LAST, First)	LAUTT, W., Wayne
11-5	Address:	631 Drake Centre, 181 Freedman Crescent
		Winnipeg, Manitoba R3T 5V4
		Canada
11-6	State of nationality	CA
11-7	State of residence	CA
11-8	Telephone No.	1-204-789-3391
11-9	Facsimile No.	1-204-975-7784
111-1	Applicant and/or inventor	
111-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	all designated States
111-1-4		MACEDO, Paula
III-1-5		Caminho do Forte 1
		2780 Caxias, Oeiras
		Portugal
III-1-6	State of nationality	PT
	State of residence	PT

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42472-0011

[1]-2	Applicant and/or inventor	
	This person is:	applicant only
111-2-2	Applicant for	all designated States except US
111-2-4	Name	DIAMEDICA INC.
	Address:	6-1200 Waverley Street
•		Winnipeg, Manitoba R3T 0P4
	·	Canada
111-2-6	State of nationality	CA
111-2-7	State of residence	CA
IV-1	Agent or common representative; or	
	address for correspondence The person identified below is	agent
	hereby/has been appointed to act on	lagenc
	behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	MCKAY, Margaret, H.
IV-1-2	Address:	Ridout & Maybee LLP
		150 Metcalfe Street
		Suite 1900
		Ottawa, Ontario K2P 1P1
	·	Canada
IV-1-3	Telephone No.	613-236-1995
IV-1-4	Facsimile No.	613-236-2485
IV-1-5	e-mail	ipinfo@ridoutmaybee.com
V	Designation of States	TO STATE OF THE STATE OF
V-1	Regional Patent (other kinds of protection or treatment,	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM
	If any, are specified between	ZW and any other State which is a Contracting State of the Harare Protocol
	parentheses after the designation(s) concerned)	and of the PCT
		EA: AM AZ BY KG KZ MD RU TJ TM and any
	1	other State which is a Contracting State
	İ	of the Eurasian Patent Convention and of
		the PCT
		EP: AT BE BG CH&LI CY CZ DE DK EE ES FI
		FR GB GR HU IE IT LU MC NL PT SE SI SK
		TR and any other State which is a
• .		Contracting State of the European Patent
		Convention and of the PCT
		OA: BF BJ CF CG CI CM GA GN GQ GW ML MR
		CA. Dr 20 Cl CC Cl
		NE SN TD TG and any other State which is
•		NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT





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7-2	National Patent	λE	AG	AT.	ΔM	AT	ΔTT	A 7.	BA	BB	$\mathbf{B}\mathbf{G}$	BR	BY	BZ	
′ - 2	(other kinds of protection or treatment,				CN	CO		CU	CZ	DE			DZ		
- 1	if any are specified between	CA							_	HR			IL		
	parentheses after the designation(s) concerned)	EE	ES	FI	GB	GD		GH							
	concerned)	IS	JP	KE	KG	ΚP	KR	KZ	LC	LK	LR				
		LV	MA	MD	MG	MK	MN	MW	MX	MZ	МО	NZ	OM	PH	
		PL	PT	RO	RU	SC	SD	SE	SG	SK	SL	TJ	TM	TN	
		TR	TT	ΤZ	TTA	UG	US	UZ	VC	VN	ΥU	ZA	ZM	ZW	
V-5	Precautionary Designation Statement														
V-5	1														
	In addition to the designations made under Items V-1, V-2 and V-3, the														
	l applicant also makes under Rule 4.9(b)														٠.
	all designations which would be														
	permitted under the PCT except any														
	designation(s) of the State(s) indicated under item V-6 below. The applicant			•											
	declares that those additional							•						•	
	designations are subject to confirmation	İ						•							
	and that any designation which is not	i													
	confirmed before the expiration of 15 months from the priority date is to be														
	regarded as withdrawn by the applicant	1	•												
	at the expiration of that time limit.														
V-6	Exclusion(s) from precautionary	ИО	NE									<u> </u>			
V-6 VI-1	Exclusion(s) from precautionary designations Priority claim of earlier national	ИО	NE			· · ·				<u></u>		· · · · · ·	. <u> </u>		
	Exclusion(s) from precautionary designations Priority claim of earlier national application	-													
	Exclusion(s) from precautionary designations Priority claim of earlier national	25	Jа			200	2 (25.	01.	200	2)	· · · · · · · · · · · · · · · · · · ·			· ·
VI-1	Exclusion(s) from precautionary designations Priority claim of earlier national application	25	Jа	nua		200	2 (25.	01.	200	2)			*-	
VI-1 VI-1-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date	25 60 US	Ја /35	0,9	54									*	
VI-1 VI-1-1 VI-1-2	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number	25 60 US	Ja /35	ean	54 Pa	ter	it C				2)	(IS	SA/E	P)	
VI-1 VI-1-1 VI-1-2 VI-1-3	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Deciarations	25 60 US	Ja /35	0,9	54 Pa	ter	it C					(IS	BA/E	:P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the	25 60 US	Ja /35	ean	54 Pa	ter	it C					(IS	SA/F	P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII VIII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	:P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	BA/E	iP)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII VIII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	BA/F	iP)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII VIII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	:P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII VIII-1	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	:P)	-
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII-1 VIII-2	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	(P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII-1 VIII-2	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	(P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VIII-1 VIII-2 VIII-3	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	(P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VII-1 VIII-1 VIII-2	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	(P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VIII-1 VIII-2 VIII-3	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the International filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America)	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	(P)	
VI-1 VI-1-1 VI-1-2 VI-1-3 VIII-1 VIII-2 VIII-3	Exclusion(s) from precautionary designations Priority claim of earlier national application Filing date Number Country International Searching Authority Chosen Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the	25 60 US Eu	Ja /35	ean	54 Pa	ter	it C					(IS	SA/E	:P)	



PCT REQUEST

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IX	Check list	number of sheets	electronic file(s) attached
X-1	Request (Including declaration sheets)	4	-
X-2	Description	15	-
X-3	Claims	6	-
X-4	Abstract	1	EZABST00.TXT
X-5	Drawings	1	-
X-7	TOTAL	27	
·	Accompanying items	paper document(s) attached	electronic file(s) attached
1X-8	Fee calculation sheet	✓	
X-17	PCT-EASY diskette		Diskette
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	Rédort e Ma	ylee LhP &
X-1-1	Name (LAST, First)	MCKAY, Margaret, H.	

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10-1	Date of actual receipt of the purported international application		27	JANUARY	2003	27.01.03
10-2	Drawings:					4
10-2-1	Received					•
10-2-2	Not received			•		
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application					
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)		•			
10-5	International Searching Authority	ISA/EP				
10-6	Transmittal of search copy delayed until search fee is paid			/		

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by	•	
	the International Bureau		

42472-0011

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only				
0-1	International Application No.	PCT/CA	03/00077		
0-2	Date stamp of the receiving Office	27 JA	NUARY 2003 27.01.03		
·					
)-4	Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet		•		
)-4-1	Prepared using	PCT-EASY Versi	ion 2.92		
		(updated 01.01	1.2003)		
)-9	Applicant's or agent's file reference	42472-0011			
2	Applicant	LAUTT, W., Way	yne, et al.		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (CAD)		
12-1	Transmittal fee T	₽	200		
12-2-1	Search fee S	⇔	1,440		
12-2-2	International search to be carried out by	EP			
12-3	International fee				
	Basic fee				
ļ	(first 30 sheets) b1	639			
12-4	Remaining sheets	0	·		
12-5	Additional amount (X)	15			
12-6	Total additional amount b2	0			
12-7	b1 + b2 = B	639			
12-8	Designation fees				
	Number of designations contained in International application	94			
12-9	Number of designation fees payable (maximum 5)	5			
12-10	Amount of designation fee (X)	138			
12-11	Total designation fees D	690			
12-12	PCT-EASY fee reduction R	-197			
12-13	Total International fee (B+D-R)	. ⇔.	1,132		
12-17	TOTAL FEES PAYABLE (T+S+I+P)	₽	2,772		
12-19	Mode of payment	other: VISA			
12-20	Deposit account instructions				
	The receiving Office:	Canadian Pate	ent Office (RO/CA)		
12-20- 2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	✓			
12-21	Deposit account No.	60000042			
12-22	Date	27 January 20	003 (27.01.2003)		
12-23	Name and signature	MCVAV Margar			

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PCT (ANNEX - FEE CALCULATION SHEET)
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VALIDATION LOG AND REMARKS

13-2-4	Validation messages Priority	Yellow! Priority 1: The twelve-month time limit for claiming priority would appear to have expired. Please verify.
13-2-7	Validation messages Contents	Yellow! The power of attorney or a copy of the general power of attorney will need to be furnished unless all applicants sign the request form.
		Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)